REMARKS

In response to the above-identified Office Action, Applicants have amended the specification to correct minor typographical errors and have amended claims 1, 12, 23, and 34. In view of the following remarks, Applicants hereby respectfully request reconsideration of the application, and allowance of claims 1-44.

The Office has provisionally rejected claims 1, 12 , 23 and 34 under the judicially created doctrine of obviousness-type double patenting as being unpatentable over Claims 1, 12, 19, and 30 of co-pending Application No. 10/058268. Accordingly, a terminal disclaimer accompanies this amendment. In view of the foregoing remarks, Applicants respectfully request the Office to reconsider and withdraw the provisional obviousness-type double patenting rejection.

The Office has rejected claims 1-4, 6-8, 10-15, 17-19, 21-26, 28-30, 32-37, 39-41 and 43-44 under 35 U.S.C. 102(a) as being anticipated by A Web-Based Nomadic Computing System, by Kindberg et al ("Kindberg") and claims 5, 9, 16, 20, 27, 31, 38 and 42 under 35 U.S.C. 103(a) as being unpatentable over Kindberg in view of "The JINI Architecture for Network-Centric Computing", by Jim Waldo, ("Waldo"). The Office asserts Kindberg that discloses a first component associated with one or more universal interfaces at page 6, Place Managers, lines 6-13 and a second component obtaining one of the one or more universal interfaces associated with the first component and invoking the at least one of the universal interfaces to communicate with the first component at page 9, lines 5-18 under the heading, "Setting options on the sink".

Neither Kindberg nor Waldo, alone or in combination, disclose or suggest, "a second component obtaining one of the one or more universal interfaces associated with the first component and automatically invoking the at least one of the universal interfaces to communicate with the first component," as recited by claim 1, "automatically invoking at least one of the universal interfaces to communicate with the first component" as recited in claims 12 and 23, or "a second source code segment having instructions for causing the first component to automatically invoke at least one of the universal interfaces to communicate with the second component" as recited in claim 34. Applicants respectfully direct the Office's attention to page 9, lines 12-18 under the heading, "Setting options on the sink" in Kindberg which discloses, "we have the camera issue a GET to the printer's web server and

have the printer return an XML or HTML form listing the possible options. Once the camera user has selected the settings, the new settings and the image can be transferred to the printer." Accordingly, in Kindberg a user must manually select the settings required for proper communication between the camera and printer. Like Kindberg, Waldo does not teach or suggest the invention as claimed.

As described on page 7, lines 20-27, of the above-identified patent application, "[W]hen one of these applications is executed, the instructions for the task, such as for creating a spreadsheet, as well the instructions for performing one or more of the methods of the present invention, such as performing methodologies to discover other components, to introspect data objects received from discovered components, and then to utilize one or more universal interfaces included within the received data objects to communicate with the other components, are carried out by one or more of the CPUs in components 20-24." As a result, the present invention allows components using the same or different communications mediums and/or protocols to seamlessly communicate with each other, without having any priori knowledge of each other and without any user intervention. In view of the foregoing amendments and remarks, the Office is respectfully requested to reconsider and withdraw the rejections of claims 1, 12, 23 and 34. Since claims 2-11 depend from and contain the limitations of claim 1, claims 13-22 depend from and contain the limitations of claim 12, claims 24-33 depend from and contain the limitations of claim 23, and claims 35-44 depend from and contain the limitations of claim 34, they are distinguishable over the cited references and are patentable in the same manner as claims 1, 12, 23 and 34.

Kindberg and Waldo, alone or in combination, also do not disclose or suggest, "the first component transfers a data object to the second component, the data object having instructions and data for accessing the one or more universal interfaces" as recited in claim 3, or "transferring a data object to a second component, the data object having instructions and data for enabling the second component to use the one or more universal interfaces" as recited in claims 14, 25 and 36. As described on page 9, lines 15-18 in Kindberg, the camera issues a GET and obtains the XML or HTML form listing the possible options from the printer's web server, not the from the printer. Similarly, Waldo does not teach or suggest the invention as claimed. The present invention allows components using the same or different communications mediums and/or protocols to communicate directly with each other without
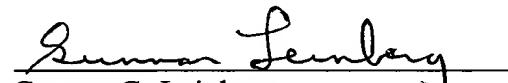
having any priori knowledge of each other. In view of the foregoing remarks, the Office is respectfully requested to reconsider and withdraw the rejections of claims, 3, 14, 25 and 36.

Further, Kindberg and Waldo, alone or in combination, do not disclose or suggest, "the one or more universal interfaces comprise a data source interface, a data sink interface, an aggregation interface, a mutable aggregation interface, a context interface, a notification interface or a user interface" as disclosed in claims 8, 19, 30 and 41. Contrary to the Office's assertions, page 9, lines 12-18 under the heading, "Setting options on the sink" in Kindberg does not suggest or disclose any of the types of universal interfaces claimed. Again, Kindberg only discloses obtaining an XML or HTML form from the printer's web server. Similarly, Waldo does not teach or suggest the invention as claimed. With the different universal interfaces, the present invention allows components using the same or different communications mediums and/or protocols to communicate without having a priori knowledge of each other and without user intervention. In view of the foregoing remarks, the Office is respectfully requested to reconsider and withdraw the rejections of claims 8, 19, 30 and 41.

In view of all of the foregoing, Applicants submit that this case is in condition for allowance and such allowance is earnestly solicited.

Respectfully submitted,

Date: _Sept 30, 2004_

Gunnar G. Leinberg
Registration No. 35,584

NIXON PEABODY LLP
Clinton Square, P.O. Box 31051
Rochester, New York 14603-1051
Telephone: (585) 263-1014
Facsimile: (585) 263-1600

Certificate of Mailing - 37 CFR 1.8(a)
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450, on the date below.
Date 9/30/04   Sherri A Moscato   Sherri A. Moscato